

Brendan McCarty, CMT

brendan.mccarty@comcast.net
Amesbury, MA • 617-224-6046

CEO, leader, portfolio manager, and systems architect with 20+ years of experience launching hedge funds, developing quantitative investment strategies, and building proprietary analytics and operational platforms. Proven track record in fund structuring, regulatory oversight, and cross-border operations, complemented by development of AI-assisted software systems supporting trading research, portfolio construction, compliance management, and firm operations.

Areas of Expertise

Investment Leadership • Quantitative Research • Portfolio Construction • Fund Structuring • Regulatory Compliance • AI-Assisted Systems Development • Data Analytics Platforms • Financial Data Infrastructure • Technology Strategy • Cross-Border Fund Operations

Select Achievements

- Built a proprietary quantitative research and trading platform integrating ~40 models and 1,000+ derived indicators, supporting market regime classification, trade signal generation, and portfolio position sizing.
- Designed and developed an integrated ecosystem of seven full-stack applications (~200,000 lines of Python across 277 files) supporting trading analytics, financial data ingestion, compliance management, and operational workflow automation.
- Successfully launched multiple investment platforms and funds, including the CE Harbinger LR Fund and the ScaleBuilder Futures Fund.
- Proven track record of raising capital across four investment firms, building long-term investor relationships with institutional and high-net-worth clients.
- Partnered on a \$450M+ advisory book at Morgan Stanley, delivering diversified portfolio strategies across equities, alternatives, and multi-asset allocations.
- Established Column E Advisors during the pandemic, launching the CE Harbinger Fund and 3L strategies with institutional and HNW backing.
- Successfully navigated regulatory exams and audits across multiple firms, including SEC, NFA, and cross-border regulatory frameworks.

Career Experience

Chief Executive Officer, Managing Member, ScaleBuilder LLC, New York, NY 2024– Present
ScaleBuilder is an investment manager and platform managing a suite of hedge funds through a feeder structure. As Managing Member, I oversee firm strategy, fund operations, regulatory compliance, and technology infrastructure supporting trading, analytics, and risk oversight.

- Set firm vision and investment philosophy in partnership with parent company Ayaltis, supporting platform expansion toward \$1B+ AUM.
- Designed and developed proprietary Python-based applications supporting portfolio analytics, compliance management, and operational workflow automation across the firm.
- Built automated financial and macroeconomic data pipelines integrating 20+ market data APIs to support trading research, signal monitoring, and risk analysis.
- Chair Risk and Onboarding Committees, strengthening governance and compliance across U.S., European, and BVI jurisdictions.
- Launched the ScaleBuilder Futures Fund, establishing operational infrastructure, compliance frameworks, and counterparty relationships.

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- Direct audits, NAV and valuation processes, counterparty risk oversight, and regulatory engagement with NFA and other supervisory bodies.
- Guide firmwide technology, cybersecurity, and risk infrastructure to support scalable and compliant cross-border operations.
- Implemented internal analytics dashboards and reporting tools supporting trading signal monitoring, portfolio risk metrics, and investment research.
- Manage vendor network supporting trading, clearing, compliance, legal, and data infrastructure.
- Lead and develop a six-person team across investment, compliance, and operations, building collaborative processes and scalable workflows.
- Drive business development through investor outreach, industry conferences, and subadvisor partnerships.

Also: Director of the Astraeus & Guardant Funds

Managing Principal, Chief Investment Officer, Column E Advisors, Amesbury, MA 2020– Present
 Founded Column E Advisors during the onset of the COVID-19 pandemic as a holding company overseeing hedge fund management, quantitative research, and consulting activities. Led strategy development, trading research, regulatory engagement, and technology development supporting systematic investment models.

- Founded and launched the firm during the pandemic, raising capital and completing legal registration, regulatory filings, and operational setup remotely.
- Built a proprietary quantitative research and trading platform integrating ~40 models and 1,000+ derived indicators, combining macroeconomic signals, volatility structure, options positioning, liquidity metrics, and technical momentum.
- Served as CIO and CRO, developing innovative investment strategies, ensuring CFTC compliance, and completing NFA reviews.
- Developed market regime classification frameworks, including Hidden Markov Models and multi-factor state models used to dynamically adjust portfolio exposure and position sizing.
- Designed and developed an ecosystem of seven full-stack Python applications (~200,000 lines of code) supporting trading research, compliance management, financial data ingestion, and operational workflows.
- Led fund operations, audits, financial planning, and vendor oversight while presenting research and strategy development at industry conferences including HedgeWeek and HFM.
- Expanded firm visibility through market research publications, social media strategy, and weekly market analysis videos.
- Built integrated backtesting and walk-forward testing frameworks to evaluate signal performance and regime stability across historical market environments.
- Built integrated backtesting and walk-forward testing frameworks to evaluate model performance, regime stability, and signal persistence across historical market environments.

Also Lead Portfolio Manager, CE Harbinger LR Fund LLC and suite of strategies

Financial Advisor & Registered Associate, Morgan Stanley, Boston, MA 2008 – 2020

Member of a three-person advisory team responsible for managing over \$450 million in client assets for high-net-worth individuals and institutions. Provided portfolio construction, investment strategy, and financial planning across equities, fixed income, and alternative investments.

- Collaborated on managing \$450M+ in client assets, delivering diversified investment strategies across equities, alternatives, and multi-asset portfolios.
- Led business development initiatives and client relationship management, supporting the growth of high-net-worth and institutional client relationships.
- Developed comprehensive wealth management strategies including tax planning, retirement allocation, and estate structuring.
- Directed branch operations for one year, coordinating 90 advisors and \$5B in assets within one of the firm's largest offices.
- Contributed to the design of asset allocation models integrating equities, fixed income, and alternative investments to support diversified portfolio construction.

Technology & Systems Development

Designed and developed an integrated ecosystem of proprietary applications supporting quantitative trading research, portfolio analytics, regulatory compliance, and firm operations. Built approximately 200,000 lines of Python code across 277 files and seven full-stack web applications in four months using AI-assisted development workflows.

Architecture

- Full-stack Flask web applications with SQLAlchemy ORM and SQLite/MySQL databases
- Multi-application architecture connected via REST APIs and shared data services
- Automated financial and macroeconomic data ingestion from 20+ external APIs
- Scheduled analytics pipelines, reporting automation, and system monitoring

Technology Stack

Python • Flask • SQLAlchemy • pandas • numpy • scipy • scikit-learn • Plotly • Chart.js • Bootstrap • SQLite/MySQL • OAuth • OpenCV • REST APIs

Systems Developed

- **Quantitative Trading Platforms:** Developed two trading platforms integrating 40+ quantitative models and 1,000+ derived indicators supporting signal generation, regime classification, and portfolio position sizing.
- **Compliance Management System:** Built a regulatory compliance platform tracking employee certifications, regulatory filings, and compliance workflows.
- **Financial Data Infrastructure:** Integrated 20+ external data APIs including Tradier, Finnhub, FRED, CBOE, and Kalshi to automate market and macroeconomic data pipelines.
- **Automated Research & Reporting:** Implemented AI-driven research workflows using Claude and GPT APIs for earnings transcript analysis, research generation, and automated daily reporting.

Sports Analytics & Video Library: Built a hockey analytics and video management platform with tagging, search, player evaluation tools, and Google Drive integration.

Other Experience

- Head JVA Hockey Coach (2022 – Present) | Central Catholic HS, Lawrence, MA
- Account Executive (2000 – 2008) | Bear Stearns Cos, Boston, MA
- Treasurer & Board Member (2013 –2023) | Amesbury Soccer Association, Amesbury, MA
- Treasurer, CFO & Board Member (2016-2018) | The Seasons Resort, Bartlett, NH
- Mass Hockey Referee (2023 – Present)
- Licenses: 3, 7, 63, Health & Life, CMT (Chartered Market Technician, 2005)

Education

Master of Business Administration
The Olin School at Babson College, Wellesley, MA

Bachelor of Arts, Management & Marketing
Providence College, Providence, RI

Chartered Market Technician
CMT Association